

Product datasheet for **MR210770**

Dlgap5 (NM_144553) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlgap5 (NM_144553) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dlgap5
Synonyms:	C77459; C86398; Dap-5; Dlg7; Hurp; mKIAA0008
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210770 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGTGTACGTTTTGCCAGTCGGTTTCGAAAGACTCGAGCACTGAGATGGTTAGAACCAACTTGG
 CTCATAGAAAGTCTGTCTCAGAAGGAGAACAGACACAGGGTGTATGAGCGAAACAGCACTTCGGTTT
 GAAGGACGTCAACATTCCTACTGGAAGGGCGAGAGCTTGGTAATATACACGAGACATCGCAAGACCTCTC
 CCAGAGAAGGCCAGCTCCAAAACAAGGTCAGTAAAAATGGTCCTGAGTGACCAACGGAAGCAGCTCCTCC
 AGAAGTACAAGGAAGAAAAACAATTCAAAAAGTAAAGAACAGCGAGAGAAAGCCAAACGTGGAGTGTT
 CAAAGTGGGTCTCTATAGACCCGCTGCGCTGGCTTTCTGTGACAGACCAGAGGGGTGCGAAAGCTGAG
 CCAGAAAAGGCTTTTCCACATACTGGACGGATTACAAGATCAAAGACCAAAGAATATATGGAGCAGACTA
 AGATTGGTAGCAGGAATGTTCTAAAGCAACCCAGAGTGACCAAAGACAAACTTCTGAAAAACAACCATT
 AGACAGAGAGAGAAAAGTTATGCAGCCTGTGCTGTTACGTGAGGAAAGGGACTGAATCAGCGGCTACT
 CAGAGGGCCAAGCTGATGGCCCAACAGTGTATCCACTACAAGAAAGCCAGTCACAAGAGCCACGAATG
 AGAAAGGATCAGAAAGAATGAGACCAAGTGAGGGGAGACCTGCCAAAAACCAGAAAGCAAGCCGGACAA
 GGTATTCTTCCAAAGTTGAGCGGGACGAAAAGCATTGGATTGCGAGACCAGGGAAACAAGTGAATG
 GGTCCGCTCGGAGTCTTCCGAGAAGTGGAAAGCTTGCCTGCAACAGCCCTGCCAAAGGGAAGGAAAGGA
 AGTCTTTGCCCAAGCACTGTGTCTTCCAGCCCCGTGGTGTGAAGAGCTACCAGTGGCTCCCT
 GAGCCCTAGAAGTGCCACGCTTCTGACACCAATTGTGATTGGAACCAAGTAAAGACCAAGTAAAA
 AGCACTACAACCAAGACAAAGCAAAATGAAATCTTGGTACAGCAAGGATTGGAGTCGTAACAGACCGTA
 GTAAAGAACATGTCTTAAATCAGAAGGGTCTTCTACTTCAAGTCAAAATCAGCTTCTGTGAAAGGAGT
 CCCATGCTCTGAAGCGAGCGAAGGCCAGACCTCTCAGCCCCCAGATGTGCCATACTCAGAAAAATC
 CTCCAATCAGAAACTGACAGGCTGACCTCGCACTGCCAGGAGTGGGAGGGGAAGCTGGACCTGGACATCC
 CTGATGAAGCTAAAGGTCTTATCCGTACAACGGTTGGTCAAACAAGACTCCTTATCAAGGAGAGATTGAG
 ACAGTTTGAAGGACTGGTGGACAACCTGCGAGTATAAACGGGGTAAAAGGAGACGACCTGCACAGATCTG
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 TTGAGGCGTCAGGATGAAAAGACAGCAATAATCCAAGCAAAAAGTCTCCGAAAAAAATTTGTGCCCGG
 TAGAACAAAGCAAAAGCAGGATGACGACGGACGAGCGGCAGCTAGGAGTCGCCTTGACGCCATAAAG
 AATGCAATGAAAGGCAGGCCACAGCAGGAAGTGCAGGCCACGCAGCAGCTCCGAGAACACAAAGGAAG
 TTGACAAAATAGTGTGATGCTGGGTTTTTCAAGTCAAGAGCCAGTGAAGTCAATCTCAGTCCCTGTC
 TTCTGAACGTCGTTCTCAAAGATTTGGAACACCTCTGTCTGCCAGCAAAGTTGTGCTGAGGGCAGGGCT
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 TTGATCGGACGTTTTTCAAGTGGTCTTGAAGCAGGTGCCAGTGAAGACACCCCTGTCCTGGAGAGCA
 AGATTCAGTGACATAGAGCATGATGTAATAAAATAAATGTCAAGATGGATTGTTTCTCTGTGAAACG
 AATTTGCCTCTTCTGCTGGTGTGCTAATACCAATCAAAAAGAAGCAATCTCAGCTGTGGAAGGAGCGA
 GCTCTGCAGTCACTCCAGGATTTGCTGATGAGCAACCTGAGACAAAACCTCCTCACAGAGCAACAC
 CTCACAAGAAGAAGCTGAGGCGTCGAGTCAGTACTGTTACATAAAAGTCACTTCTGAATGCCACCTT
 CTTGAACCACCGCCTCAGCTGCACCAGCCCCTGCACTCGGGAGGAGACCAGACAGCCAGATCGCAGCA
 GACAGTTCCTTTGGAGGTGACCTCATTCTCTTCTCACCCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210770 protein sequence
 Red=Cloning site Green=Tags(s)

MLVSRFASRFKDSSTEMVRTNLAHRKSLSQKENRHRVYERNRHFGLKDVNIPLGRELGNIHETSQDLS
 PEKASSKTRSVKMVLSQQRKQLLQKYKEEKQLKLEQREKAKRGVFKVGLYRPAAPGFLVTDQRGAKAE
 PEKAFPHTRITRSKTKEYMEQTKIGSRNVPKATQSDQRQTSEKQPLDRERKVMQPVLFVTSKGTESAAT
 QRAKLMARTVSSTTRKPVTRATNEKGSERMRPSGGRPAKKPEGKPKVIPSKVERDEKHLDSQTRETSEM
 GPLGVFREVESLPATAPAQGKERKSFAPKHCVFQPPCGLKSYQVAPLSPRSANAFLLPNCWDNQLRPEVF
 STTTQDKANEILVQQGLES LTDRSKEHVLNQGASTSDSNHASVKGVPCSEASEGQTSQPPHDVPYFRKI
 LQSETDRLTSHCQEWEGKLDLIPDEAKGLIRTTVGQTRLLIKERFRQFEGLVDNCEYKRGEKETTCTDL
 DGFWDMVSFQVDDVNQKFNNLIKLEASGWKDSNNPSKKVLRKKIVPGRTSKAKQDDDGRAAARSRLAAIK
 NAMKGRPQQEVQAAAAAPENTKEVDKIVFDAGFFRIESPVKSFSVLSERRSRQFRTPLSASKVVPEGRA
 AGDLLRQKMPLKKPDPQSSKSEHVDRTFSDGLESRCHVEDTPCPGEQDSSDIEHDVKNKINVKMDCF SVET
 NLPLPAGDANTNQKEAISAVEGASSAVTSQDLLMSNPTNTSSQSNTSQEEAEASQSVLLHKSLTSECHL
 LEPPGLSCTSPCTRETRQPDERSRQFSFGGDLILFSPL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_144553

ORF Size: 2427 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_144553.2](#)

RefSeq Size: 2966 bp

RefSeq ORF: 2427 bp

Locus ID: 218977

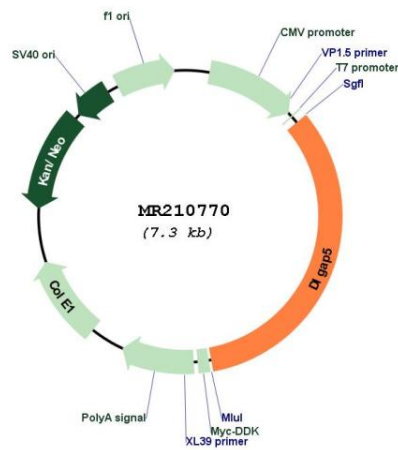
UniProt ID: [Q8K4R9](#)

Cytogenetics: 14 24.6 cM

MW: 90.2 kDa

Gene Summary: Potential cell cycle regulator that may play a role in carcinogenesis of cancer cells. Mitotic phosphoprotein regulated by the ubiquitin-proteasome pathway. Key regulator of adherens junction integrity and differentiation that may be involved in CDH1-mediated adhesion and signaling in epithelial cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210770